

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT		Docket Number 10020/18304		
Application Number 10/696,286	Filing Date October 28, 2003	Examiner Not Yet Assigned	Art Unit Not Yet Assigned	
Invention Title HIGH EFFICIENCY TRANSPARENT ORGANIC LIGHT EMITTING DEVICES		Inventor(s) PARTHASARATHY et al.		

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Signature: Thomas F. Meagher (Reg. No. 19,831)

- 1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
- 2. Copies of each patent, publication or other information listed on the modified PTO form 1449 are not enclosed since they were previously cited by or submitted to the Patent Office in prior application Serial No. 09/522,155 (now Patent No. 6,639,357, issued October 28, 2003), which is relied upon for an earlier filing date under 35 U.S.C. 120.
- 3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 12 5 03

By:

Thomas F. Meagher (Reg. No. 29,831)

Kenyon & Kenyon One Broadway

New York, NY 10004

212-425-5288 (telephone)

212-425-5288 (facsimile)

CUSTOMER NO. 26646

© Kenyon & Kenyon 2003

STATEMENT BY APPLICANT PTO-1449 DEC 0 8 2003 %

DOCKET NO. 10020/18304 SERIAL NO. 10/696,286

APPLICANT

Gautam PARTHASARATHY et al.

FILING DATE October 28, 2003

GROUP Not Yet Assigned

U. S. PATENT DOCUMENTS

ر الأنج	1	October 28,			lot Yet Assigned	
TRADEMANN ST.		U. S. PATENT DOCU	S. PATENT DOCUMENTS			
		Т				T
EXAMINER	PATENT	PATENT		CLASS	SUBCLASS	FILING
INITIAL	NUMBER	DATE	NAME		<u> </u>	DATE
	4,164,431	8/1979	Tang		1	
	4,611,385	9/1986	Forrest et al.			
	4,720,432	1/1988	VanSlyke et al.			
	5,047,687	9/1991	VanSlyke et al.		1	
· · · · · · · · · · · · · · · · · · ·	5,059,862	10/1991 5/1994	VanSlyke et al.		1	
	5,315,129	3/1995	Forrest et al. Namiki et al.		 	
	5,399,936	9/1996	Forrest et al.		-	ļ
	5,554,220	10/1997	Hung et al.		 	
	5,677,572	12/1997	Forrest et al.		1	
	5,703,436	1/1998	Forrest et al.		1	
	5,707,745	2/1998				
	5,714,838	2/1998	Haight et al.		}	-
	5,721,160		Forrest et al.		+ ;	-
	5,739,635	4/1998	Wakimoto		 	
	5,757,026	5/1998	Forrest et al.			
	5,757,139	5/1998	Forrest et al.			-
	5,776,622	7/1998	Hung et al.			
	5,776,623	7/1998	Hung et al.		<u> </u>	ļ
	5,811,833	9/1998	Thompson		 	
	5,834,893	11/1998	Bulovic et al.		1	
	5,844,363	12/1998	Gu et al.		<u> </u>	
	5,861,219	1/1999	Thompson et al.		_	↓
	5,874,803	2/1999	Garbuzov et al.		ļ	
	5,917,280	6/1999	Burrows et al.		ļ	+
	5,922,396	7/1999	Thompson		1	
	5,932,895	8/1999	Shen et al.			-
	5,937,272	8/1999	Tang			ļ
	5,949,186	9/1999	Nagayama et al.	-	ļ	
	5,953,587	9/1999	Forrest et al.			ļ
	5,981,306	11/1999	Burrows et al.			
	5,986,268	11/1999	Forrest et al.			
	5,986,401	11/1999	Thompson et al.			1
	5,998,803	12/1999	Forrest et al.			
	6,005,252	12/1999	Forrest et al.			
	6,010,796	1/2000	Kijima			
	6,013,384	1/2000	Kido et al.			
	6,013,538	1/2000	Burrows et al.		ļ	
	6,013,982	1/2000	Thompson et al.			<u></u>
	6,064,151	5/2000	Choong et al.			ļ
	6,069,442	5/2000	Hung et al.			
	6,097,147	8/2000	Baldo et al.			
	6,137,223	10/2000	Hung et al.			
	6,140,763	10/2000	Hung et al.		<u> </u>	
	6,172,459	1/2001	Hung et al.			
	6,278,236	8/2001	Madathil et al.			

FOREIGN PATENT DOCUMENTS

						TRANSI	TRANSLATION	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
	1076368	2/2001	EP					
	10-050481	2/1998	JP					
	WO97/33296	9/1997	wo		I			

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
INTIAL	C.W. Tang, et al., "Organic Electroluminescent Diodes", 51 Appl. Phys. Lett., 913 (1987). (Sep.).
	S.R. Forrest, et al., "Organic Emitters Promise a New Generation of Displays', Laser Focus World, (Feb. 1995).
	V. Bulovic et al., "Transparent light-emitting devices" Nature, 380, p. 29 (1996). (Mar.)
	Z. Shen, et al. "Three-Color, Tunable, Organic Light-Emitting Devices", Science, 276, pp.2009-2011 (1997). (Jun.)
	G. Parthasarathy, et al., "Metal-free cathode for organic semiconductor devices", Appl. Phys. Lett., 72 pp. 2138-2140 (1998). (Apr.).
	J. Kido, et al., "Bright organic Electroluminescent devices having a metal-doped electron-injecting layer", Applied Physics Letters, v. 73, n. 20, pp. 2866-2868 (1998). (Nov.)
	L.S. Hung, et al., "Interface engineering in preparation of organic surgace-emitting diodes", Applied Physics Letters, v. 74, n. 21, pp. 3209-3211 (1999). (May).
	N. Johansson, et al., "Electronic structure of tris (8-hydroxyquinoline) aluminum thin films in the pristine and reduced states", J. Chem. Phys., 111, pp. 2157-2163 (1999). (Aug.).
	G. Gu, et al., "Transparent stacked organic light emitting devices", J. Appl. Phys., 86, pp. 4067-4075 (1999). (Oct.).
	P.E. Burrows, et al., "Relationship between electroluminescence and current transport in organic heterojenction light-emitting devices", J. Appl. Phys., 79, pp 7991-8006 (1996). (May).
	G. Parthasarathy, et al., "A full color transparent metal-free stacked organic light emitting device wit simplified pixel biasing", Adv. Mat., 11, pp. 907-910 (1999). (No month).
	E.I. Haskal, et al., "Lithium-aluminum contacts for organic-light emitting devices", Appl. Phys. Lett., 71, pp. 1151-1153 (Sep. 1, 1997).
	Parthasarathy, et al., "A Highly Transparent Organic Light Emitting Device Employing a Metal-Free Cathode," Poster Session Abstract, Materials Research Fair, Princeton Materials Institute, Princeton University (Nov. 6, 1997).
	Kido, et al., "Bright red light-emitting organic Electroluminescent devices having a europium complex as an amitter," Appl. Phys. Lett., v. 65 (1994) pp. 2124-2126. (Oct.)
	Kido, et al., "White-light-emitting organic Electroluminescent device using lanthanide com mplexes," Jpn. J. Appl. Phys., v. 35 (1996) pp. L394-L396. (Mar.)
·	Kido, et al., "Multilayer white light-emitting organic Electroluminescent device," Science, v. 267 (199 pp. 1332. (Mar.)
	Kido, et al., Electroluminescence in terbium complex," Chemistry Letters (1990) pp. 657-660. (No month).
	Kido and K. Nagai, "Organic Electroluminescent Devices Using Lanthanide Complexes", Journal of Alloys and Compounds, vol. 192 (1993) pp. 30-33.
	Hung, et al., "Enhanced electron injection in organic electroluminescence devices using an Al/LiF electrode," Appl. Phys. Lett. 70 (1997) pp. 152. (Jan.)
	Forrest, et al., "Organic-on-inorganic semiconductor contact barrier diodes," J. Appl. Phys. 56 (198 pp. 543. (Jul.).
	Bulovic, et al., "Study of localized and extended excitons in 3, 4, 9, 10-perylenetetracarboxylic dianhydride (PTCDA)," Chem. Phys. 210 (1996) pp. 1-12. (No month).
	Co-pending application Ser. No. 09/153,144, filed September 14, 1998, entitled "Structure for High Efficiency Electroluminescent Device". Now U.S. Patent No. 6,097,147).
XAMINER	DATE CONSIDERED

conformance and not considered. Include copy of this form with next communication to applicant.